200400155

THE UNITED SHATES OF AMERICA

TO ALL TO WHOM THESE: PRESENTS SHALL COME:

California Alanting Cotton Seed Distributors

MUCCONS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE YEART TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR RETING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE EXERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321

COTTON

'Solana'

In Testimony Thereof, I have hereunto set my hand and caused the seal of the Hunt Variety Protection Office to be affixed at the City of Washington, D.C. this twenty-fourth day of March, in the year two thousand and five.

Plant Variety Protection Office Agricultural Marketing Service Mill Gobern Secretary of Agriculture

NAME (Please print or type)

Stephen R. Oakley

CAPACITY OR TITLE

Vice President, Director of R&D

Teb 29, 2004

ST-470 (02-10-2003) designed by the Plant Variety Protection Office using Word 2000. Replaces former versions of ST-470, which are absolete.

(See reverse for instructions and information collection burden statement)

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

> **Plant Variety Protection Office** Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

ITEM

- 18a. Give:
- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center--East, Beltsville, MD 20705. Telephone: (301) 504-8089. http://www.ams.usda.gov/lsg/seed.htm

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alluinformation (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

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200400155 REPLACEMENT 576/04 WAL

Exhibit A. Origin and Breeding History - M611 'SOLANA' LAND 5/28/64

M611 is a variety of cotton developed from the cross M177 x M225 made in 1993 at the CPCSD Cotton Research and Development Station, Shafter, California. The parents M177 and M225 are selections made for fiber quality and Verticillium-wilt tolerance in the SJV from the commercial cotton varieties DP 5816 and DP 5690, respectively, developed and released by the Delta and Pine Land Company, Scott, Mississippi. DP 5816 was developed from the cross DP Acala 90 x DP 69, while DP 5690 was developed from DP Acala 90 x DP 80. The lines were developed as follows: DP Acala 90 came from the cross DP 6516 x DP 6583, DP 80 was derived from the cross [DP 16 x (DP 5540 x DP Smooth Leaf)], and DP 69 is thought to be a selection from DP 61. The backgrounds of all these lines are detailed by Calhoun, et al. (Calhoun, D.S., D.T. Bowman, and O.L. May, 1994, Pedigree of Upland and Pima Cotton Cultivars Released Between 1970 and 1990, MAFES Bulletin 1017, Mississippi State University, MS 39762).

Details of Selection

Seed from the cross M177 x M225 were planted in the 1993-94 Tecoman winter nurseries as an F_1 population and subsequently planted in 1994 as an F_2 row at a CPCSD Upland breeding nursery in Mexico, which was bulk harvested. The F_3 and F_4 seed were bulk harvested and and these populations were selected on the basis of heat tolerance, fiber quality and yield potential. A pedigree selection procedure followed in the F_5 and F_6 (plant to row basis) as individual plants were each selected on the basis of agronomic characteristics, yield potential, and fiber properties. In 1998 F_7 seed from the F_6 row M611 was bulk harvested and entered into the 1999 CPCSD Upland Lines Test. This line designated M611 continued testing in the 2000 to 2003 CPCSD testing programs.

Variants and Stability

<u>CPCSD M611 was evaluated for five generations and no variants have been observed.</u> The performance of M611 has been uniform and stable.

Population Size for Selection

Population	Approximate Number of Individuals
F ₁	180
F ₂ - F ₄	2000
F ₅ - F ₆	60

Exhibit A. Origin and Breeding History - M611 'Solation 155

<u>Year</u>	Event	Generation
	Cross: M177 x M225 PP Acala 90 x DP 69 = DP 5816 selection = M177 PP Acala 90 x DP 80 = DP 5690 selection = M225	
1993-9	14 Increased in Tecoman Winter Nursery as F1-177	F ₁
1994	F1-177 planted as row M308	F ₂
1995	Row M308 planted as row M367	F ₃
1996	Row M367 planted as row M443	F ₄
1997	Plant selection M443-4 planted as row M517	F ₅
1998	Plant selection M517-6 planted as row M611, and row M611 was harvested as a progeny row	F ₆
1999-2	003 M611 tested in CPCSD Upland testing program	n

200400 155 REPLACEMENT 5/6/04 WALL

Exhibit B. Statement of Distinctness - M611 'SOLANA' 5128 July

M611 was compared to cotton varieties SureGrow 747 and Stoneville 474 in fifteen test locations over three years. M611 is most similar to Suregrow 747. The San Joaquin Valley Cotton Standard, Acala Maxxa, was added to the comparisons in Exhibit C.

M611 is a novel cotton variety and is significantly different from Suregrow 747 because its significantly longer fiber length and increased fiber strength (Exhibit B Table 1).

Exhibit B Table 1. 2001 CPCSD Upland AST - Summary of California Locations

	2.5% span	Fiber Stength
Variety	length	T1
	(in)	(g/tex)
Stoneville 474	1.108	19.0
SureGrow 747	1.107	18.2
M611	1.143	21.3
LSD.05	0.021	1.3
CV	1.37	4.5

2001 Upland AST - M611 PVP Data

Location: Shafter

	2.5%	
	span	
Variety	length	T1
	(in)	(g/tex)
STV 474	1.143	19.3
SG 747	1.145	17.9
M611	1.173	22.4
CV	1.529	3.4
LSD	0.032	1.2

Location: Strathmore

	2.5%	
	span	
Variety	length	T1
	(in)	(g/tex)
STV 474	1.110	19.2
SG 747	1.130	19.3
M611	1.133	19.8
CV	1.180	5.3
LSD	0.024	1.9

Location: Riverdale

	2.5%	
	span	
Variety	length	T1
	(in)	(g/tex)
STV 474	1.070	18.6
SG 747	1.045	17.5
M611	1.125	21.6
CV	1.379	4.9
LSD	0.028	1.8

Across California locations 2001

•	2.5%	
	span	
Variety	length	T1
	(in)	(g/tex)
VARIETY	FL25	T1
STV 474	1.108	19.0
SG 747	1.107	18.2
M611	1.143	21.3
CV	1.372	4.5
LSD	0.021	1.3

U.S. DEPARTMENT OF AGRICULTURE PLANT VARIETY PROTECTION OFFICE, AMS, USDA NATIONAL AGRICULTURAL LIBRARY Bldg., Rm. 400 10301 BALTIMAORE Blvd. BELTSVILLE, MD 20705

OBJECTIVE DESCRIPTION OF VARIETY COTTON (Gossypium spp.)

NAME OF APPLICANT(S)		TEMPORARY DESI	Z*\$TX*TTZ`\$T	ARIETY NAMI		
`,			UNATION	ARIETI NAMI		n. sa s=
J	otton Seed Distributors	M611		SOLAN	LA.	5728104
ADDRESS (Street and No., or)	R.F.D. No., City, State, and ZIP Code	e	-	OFFICIAL USE ON	<u>ILY</u>	
DO D 00055			PVPO	NUMBER		_
PO Box 80357 Bakersfield, CA 9338	0-0357		2	00400)157	
Place the appropriate data that of	lescribes the varietal characteristic of	this variety in the space	provided. Characte	eristics described,	, including	3
numerical measurements, shoul-	d represent those that are typical for t	the variety. Royal Hortic	cultural Society or a	any recognized co	olor fan m	ay be
used to determine plant colors.	Characters marked with an asterisk *	indicate necessary chara	cters to be measure	d.		
SPECIFIC VARIETIES USED	FOR COMPARISON AS CHECK V	ARIETIES IN THIS AF	PLICATION: Use	standard regiona	l check va	arieties which are
adapted to your area. One of the	e comparison varieties must be the m	ost similar variety used i	in Exhibit B.			
Variety 1. SUREGROW 74	Variety 2.	ACALA MAXXA	Va	riety 3		
*1. SPECIES:						
<u>. x</u>	C. G. hirsutum L.	G. ba	rbadense L.			
*2. AREA(S) OF ADAPTATIO	N: (A=Adapted, NA= Not Adapted,	NT= Not Tested)	·			
`.´	•	,				
Eastern	Delta	Co	entral	Blackla	nds	
Plains	West	ern A	rizona _	X San Joa	quin	
Other (Specify)						
3. GENERAL: Characteristics v	which are known to be variable but as	re still useful for a meani	nful description of	the variety.		
	M611	SG747	Max	xa		
	Application Variety Co	mparison Variety 1	Comparison V	ariety 2	Compari	son Variety 3
Plant Habit: Spreading, Intermediate, Compact	I	I	I			
Foliage:	_	·	_			
Sparse, Intermediate, Dense	<u>I</u>	I	I			
Stem Lodging: Lodging, Intermediate, Erect	<u> </u>	I	I	<u></u>		
Fruiting Branch: Clustered, Short, Normal	N	N	N	· -		
Growth:						
Determinate, Intermediate, Indeterminate	Intermed	Intermed	Intern	ned		
Leaf Color						
Greenish yellow, Light green,	MC	τ.α	D.0			_
Medium green, Dark green	MG	LG	DG			
						•

EXHIBIT C

				COTTON
3. GENERAL:	M611 'SOLAT	SG747	Maxxa	COTTON
n 11 01	5128	oq		
Boll Shape: Length LESS than				
width, Length EQUAL to width, Length MORE than width				
Boll Breadth: Broadest at base,	More	More	More	
Broadest at middle				
Broadest at iniddle	Middle	Middle	Middle	
*4. MATURITY: (Days for 50% O	pen bolls from sequential h	narvest dates.)		
Days for 50% Open Bolls	140	140	146	
5. PLANT: Cm to 1st Fruiting Branch:				
(from cotyledonary node)	20.7	25.5	25.0	
No. of Nodes to 1st Fruiting		25.5	25.8	
Branch:				
(excluding cotyledonary node)	5 NE	4.00	4.4	
Mature Plant Height cm:	5.05	4.30	4.1	
(from cotyledonary node to terminal)	121.3	112.8	110 0	
	121.3	112.0	110.8	
*6. LEAF Type: Normal Sub Okra, Okra,				
Super Okra	N	N	N	
Pubescence: Absent, Sparse, Medium,	 	· · · · · · · · · · · · · · · · · · ·		
Dense OR Trichomes/cm2 (Bottom				
surface excluding veins)	S	M	M	
Nectaries: Present or Absent	P	P	P	
*7. STEM PUBESCENCE: Glabrous, Intermediate, Hairy				
Glabrous, Intermediate, Hairy	I	I	I	
*8. GLANDS: (Gossypol) Absent,	Sparse, Normal, More Tha	an Normal		
Leaf:	N	N	N	
Stem:	N	N	N	
Caly% Lobe: (normal is absent)	A	A		
Cary 76 Lobe: (normal is absorb)	7.1			
*9. FLOWER				
Petals: Cream, Yellow	C	С	С	
Pollen: Cream, Yellow	C	С	С	
Petal Spot: Present, Absent	A	A		
*10. SEED				
Seed Index:	9.8	9.9	10.7	
(g/100 seed, fuzzy basis)	7.0	7.7		
Lint Index: (g lint/100 seeds)	7.03	7.81	9.01	
	•			_/

*11. BOLL	M611 SOLANA	SG747	MAXXA	
Lint Percent: Pulled Pulled	7/28/00	42.5	41.4	
OR				
Gin Turnout: X Picked Strip	oped 32.4	33.5	33.8	
Number of Seeds per Boll	36	38	33	
Grams Seed per Boll	4.9	5.4	6.2	
Number Locules per Boll				
Boll Type:	4-5	4-5	4-5	
(Stormproof, Storm Resistant, C	Open Open	Open	Open	
12. FIBER PROPERTIES	***************************************			
Specify Method (HVI or other):	Individual Instruments			
* Length: (inches, 2.5% SL)	1.15	1.12	1.18	
* Uniformity: (%)	48.7	48.2	49.9	
* Strength, T1 (g/tex) stelomete	22.1	17.5	24.5	
* Elongation, E1 (%)	6.13	8.38	7.5	
* Micronaire:	4.01	4.11	3.85	
Fineness (Source)				
Yarn Tenacity: (cN/tex, 27 tex)				
Yarn Strength (lbs. 22's)	137.8	108.4	146.1	
13. DISEASES: (NT=Not Tested	d. S= Susceptible. MS=Moderat	tely Suscentible. MR=Mode	rately Resistant, R=Resistant)	
	Alternaria macrospora	<u>NT</u>	Fusarium Wilt	
	Anthracnose	<u>NT</u>	Phymatotrichum Root Rot	
<u>NT</u>	Ascochyta Blight	<u> NT</u>	Pythium (specify species)	
<u>NT</u>	Bacterial Blight (Race 1)	NT	Rhizoctonia solani	
<u>NT</u>	Bacterial Blight (Race 2)	<u> </u>	Southwestern Cotton Rust	
NT	Bacterial Blight (Race)	<u>NT</u>	Thielaviopsis basicola	
<u>NT</u>	Diplodia Boll Rot	MR	Verticillium Wilt	
	Other (specify)			

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14. NEMATODES, INSECTS AND PESTS: (NT=Not tested, S=Susceptible, MS= Moderately Susceptible, MR=Moderately Resistant, R= Resistant

<u>NT</u>	Root-Knot Nematode	<u>NT</u>	Reniform Nematode
<u>NT</u>	Boll Weevil	NT	Grasshopper (specify species):
<u>NT</u>	Bollworm	<u>NT</u>	Lygus (specify species):
<u>NT</u>	Cotton Aphid	<u>NT</u>	Pink Bollworm
NT	Cotton Fleahopper	<u>NT</u>	Spider Mite (specify species):
NT	Cotton Leafworm	NT	Stink Bug
NT	Cutworm (specify species):	<u>NT</u>	Thrips (specify species):
<u>NT</u>	Fall Armyworm	<u>NT</u>	Tobacco Bud Worm
<u>NT</u>	Other (specify):		

^{15.} COMMENTS: Present any additional information that cannot adequately be described in 1 through 13 which significantly distinguishes your variety.

Exhibit D. Additional Description - M611 'SOLAMA' LAND STERIOU

Table 2. 2001 CPCSD Upland AST - Summary of Three California Locations

Ç		4.06	4.26	3.76	0.28	4.7
<u> </u>	(%)	2 9	6	7.1	9.0	0.0
, E	(g/tex)	19.0	18.2	21.3	13	4.5
Unif. index		0.46	0.46	0.47	0.01	1.6
2.5% span length	(ij)	1.108	1.107	1.143	0.021	1.4
Lint index	(b)	7.7	7.3	6.4	0.4	5.4
Lint per boll	(b)	2.3	2.3	0	0.2	8.2
Seeds per Boll		58	32	30	2	9.9
Boll weight	(a)	5.2	5.4	6.4	4.0	7.8
Seed	(B)	10.0	8. 8.	9.8	0.5	5.6
Seed Percent	(%)	26.6	57.5	60.4	0.9	
Lint Percent	(%)	43.4	42.5	39.6	60	1.6
Gin Turn Out	(%)	32.9	33.0	30.6	0.9	. 0.
Lint Yield	(lbs/A)	1375	1384	1245	164	10.0
Seed Cotton Yield	(Ibs/A)	4047	4113	3919	463	<u>ත</u> ග
Variety		STV 474	SG 747	M611	LSD.05	స

Table 3. 2001 CPCSD Upland AST - Summary of Three California and Two Arizona locations

	Seed		Gir				•	Seeds	Lint		2.5%				
	Cotton	Lint	Turn	Lint	Seed	Seed	Boll	Der	Der	Lint	S Ded S	Inif			
Variety	Yield	Yield	Out	Percent	Percent	Index	weight	Bo≡	Poq	index	lenath	index	Σ	Σ	Μį
-	(Ibs/A)	(lbs/A)	(%)	(%)	(%)	(D			(D)	(α)	(ii)		(Mitay)	i	
STV 474	4146	1412	34.5	415	57.7	10.4	5.2	50	,	9 2	1108	97.0	10.0	7.7	77
26. 747	CUCK	1/20	3 7 6	. 0	0	2	L	ì	1 0	-	2 .) 	2 :	1.,	‡ ‡
F .	7071	704) †	,	20.0	- 2	ი ი	37	۷.3	, s	1.094	0.46	18.8	0.0	4.64
M611	4003	1289	32.2	37.5	61.7	10.2	9	က္က	0.	6.3	1.148	0.47	21.5	7.0	4.06
LSD.05	433	153	1.2	1.1	1.2	0.4	0.4	2	0.2	0.4	0.029	0.01	11	0.5	0.31
ટ	11.8	12.7	5.6	5.6	1.6	3.7	9.9	0:9	7.7	4.4	2.1	1.7	4	5	6.1

Exhibit D. Additional Description - M611 'SOLALA' CALL

Table 4, 2000-2001 CPCSD Unland AST - Sun

	Seed		Ğ			2.5%			•	
	Cotton	Lint	Turn	Lint	Lint	span	Unif.			
Variety	Yield	Yield	Ont	Percent	index	length	index	F	<u>n</u>	Mic
	(lbs/A)	(Ibs/A)	(%)	(%)	(B)	(E)		(a/tex)	8	
STV 474	4300	1470	33.0	42.6	7.5	1.112	0.47	18.4	2.6	4 28
SG 747	4407	1492	33.1	45.0	7.3	1.103	0.47	18.3	80	4.46
M611	4126	1307	31.2	39.7	6.3	1.149	0.48	21.7	6.7	4 0 4
LSD.05	296	108	1.0	0.0	9.0	0.021	0.01	1.0	0.4	0.24
∂	9.6	10.6	2.0	1.7	2.0	0.	6	ις: 7	6.0	ע

Table 5. 2002 CPCSD Upland AST - Summary of Three California and Two Arizona Locations

				ב פ			Ξ ¥	HVI Fiber Properties	erties		
	₹ Ö	ΥZ	Overall	Turn	Fiber	Unif					
riety	Avg	Avg	Avg	Out	Length	Ratio	Σ	匝	⊠ic	&	q
	(Ibs/A)	(Ibs/A)	(lbs/A)	(%)	(ii)	(%)	(g/tex)				
F474	1237	1554	1343	33.4	1 132	83.5	29.9	8.2	4.37	76.2	0
3747	1215	1585	1338	33.8	1.131	83.6	28.3	8.7	4.36	77.2	0
M611	1224	1352	1267	31.6	1 152	84.1	34.3	8.0	4.04	79.1	7.7
3D.05	97	122	93	0.8	0.017	9.0	1.0	0.2	0.25	1.2	0.2
<u> </u>	6.5	4 .8	7.4	1.8	1.4	9.0	33	3.4	5.6	14	4

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U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to detectificate is to be issued (7 U.S.C. 24 confidential until the certificate is issued.	421). The information is held
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	3. VARIETY NAME
California Planting Cotton Seed Distributors	OR EXPERIMENTAL NUMBER M611	'SOLANA' LAND
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)
PO Box 80357 Bakersfield, CA 93380-0357	(661) 399-1400	(661) 399-3169
	7. PVPO NUMBER	
	200	1411155
8. Does the applicant own all rights to the variety? Mark an "X" in the	ne appropriate block. If no, please expla	in." YES NO
9. Is the applicant (individual or company) a U.S. national or a U.S. I	based company? If no, give name of co	ountry. X YES NO
10. Is the applicant the original owner?	NO If no, please answer <u>one</u>	of the following:
a. If the original rights to variety were owned by individual(s), is YES	(are) the original owner(s) a U.S. Nation NO If no, give name of countr	
b. If the original rights to variety were owned by a company(ies) YES), is (are) the original owner(s) a U.S. base NO If no, give name of countr	
11. Additional explanation on ownership (Trace ownership from origi	inal breeder to current owner. Use the re	everse for extra space if needed):
The applicant is the original breeder and current owner o	of the variety.	
The variety was developed from germplasm and seedstoo applicant, at facilities owned by the applicant, or through	cks owned by the applicant, by indi- a contractual arrangements made by	viduals employed by the the applicant.
PLEASE NOTE:		
Plant variety protection can only be afforded to the owners (not licens	sees) who meet the following criteria:	
If the rights to the variety are owned by the original breeder, that p national of a country which affords similar protection to nationals o	erson must be a U.S. national, national of the U.S. for the same genus and speci	of a UPOV member country, or es.
2. If the rights to the variety are owned by the company which employnationals of a UPOV member country, or owned by nationals of a genus and species.	yed the original breeder(s), the company country which affords similar protection t	must be U.S. based, owned by o nationals of the U.S. for the same
3. If the applicant is an owner who is not the original owner, both the	original owner and the applicant must m	eet one of the above criteria.
The original breeder/owner may be the individual or company who di Act for definitions.	rected the final breeding. See Section 4	1(a)(2) of the Plant Variety Protection
According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, control number. The valid OMB control number for this information collection is 0581-0055, including the time for reviewing the instructions, searching existing data sources, gathering a	The time required to complete this information collect	tion is estimated to average 0.1 hour per response.
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